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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------|-------------|----------------------|---------------------|------------------|
| 10/727,359 | 12/03/2003 | Sampo J. Kaasila | BIT02-2NP | 5503 |
| 42306 | 7590 | 09/18/2007 | EXAMINER | |
| EDWARD W. PORTER | | | VU, KIEU D | |
| PORTER & ASSOCIATES | | | ART UNIT | |
| 24 STRING BRIDGE S12 | | | PAPER NUMBER | |
| EXETER, NH 03833 | | | 2173 | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|-------------------------------|-----------------------------------|--|
| Office Action Summary | Application No. 10/727,359 | Applicant(s) KAASILA, SAMPO J. | |
| | Examiner Kieu D. Vu | Art Unit 2173 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 21-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 21-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is in response to the Amendment filed on 07/11/07.
2. Applicant's election without traverse of group II (claims 21-27) in the reply filed on 07/11/07 is acknowledged.
3. Claims 1-20 have been canceled.
Claim 21-27 are pending.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 21-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Qureshi et al ("Qureshi", US 6456305) and Nakai et al ("Nakai", US 5909221).

Regarding claim 21, Qureshi teaches a method of displaying a web page on a fixed pixel resolution screen, comprising accessing a web page's contents, including a text string and specified pixel width and horizontal pixel displacement relative to said web page for a column into which said string is to be laid out and laying out and displaying said web page on said screen (Fig. 11) so that the column is displayed on the screen with a pixel width proportionally scaled down relative to said specified pixel width and with a horizontal pixel displacement proportionally scaled down relative to said specified horizontal pixel displacement (col. 15, lines 11-44), each character of said text string is displayed in said column with a font bitmap in which the shape and pixel

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alignment of the character has been selected to improve readability at the pixel resolution at which the bitmap is displayed on said screen (line 45 of col. 15 to line 17 of col. 16). Qureshi does not teach the font used to display the characters of said string represent each character whose shape has two horizontally separated vertical strokes by, in at least in one pixel row, having at least one relatively uncovered pixel horizontally placed between one or more relatively covered pixels on each side representing said two horizontally separated strokes. However, such feature is known in the art as taught by Nakai. Nakai teaches a device for generating characters and figures (col. 4, lines 19-33), Nakai further teaches the font used to display the characters of said string represent each character whose shape has two horizontally separated vertical strokes by, in at least in one pixel row, having at least one relatively uncovered pixel horizontally placed between one or more relatively covered pixels on each side representing said two horizontally separated strokes (Fig. 25A, col. 19, lines 17-47). It would have been obvious to one of ordinary skill in the art, having the teaching of Qureshi and Nakai before him at the time the invention was made, to modify the page generation taught by Qureshi to include Nakai's teaching with the motivation being to provide the users with a balanced display (Nakai, col. 4, lines 14-18).

Regarding claim 22, Qureshi in view of Nakai teaches wherein the scaling down of said displayed column width and displayed horizontal displacement decreases the pixel size of said column width and horizontal displacement by over two times (Qureshi, Fig. 11, line 45 of col. 15 to line 17 of col. 16) (Nakai, Fig. 25A, col. 19, lines 17-47).

Regarding claim 24, Qureshi in view of Nakai teaches wherein the scaling down of said displayed column width and displayed horizontal displacement decreases the

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pixel size of said column width and horizontal displacement by at least two and one half times (Qureshi, Fig. 11, line 45 of col. 15 to line 17 of col. 16) (Nakai, Fig. 25A, col. 19, lines 17-47).

Regarding claims 23 and 25, Qureshi in view of Nakai teaches wherein said font used to display the characters of said string has a majority of lower case characters that have two horizontally separated vertical strokes represented by an advance width of 4 pixel columns (Qureshi, col. 10, lines 22-46).

Regarding claim 26, Qureshi in view of Nakai teaches wherein:

-the web page's contents includes an image having a specified pixel size and a specified horizontal pixel displacement; and said laying out and displaying of the web page on said screen causes the image to be displayed on the screen with a pixel size proportionally scaled down relative to said specified pixel size and with a horizontal pixel displacement proportionally scaled down relative to said image's specified horizontal pixel displacement (Qureshi, Fig. 11, line 45 of col. 15 to line 17 of col. 16).

Regarding claim 27, Qureshi in view of Nakai teaches said web page is displayed with a multi-column layout in which one or more columns is horizontally displaced to the right of another column; and said horizontal displacement determines the horizontal location of such a horizontally displaced column. (Qureshi, Fig. 11, col. 9, lines 13-43).

6. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. .111(c) to consider these references fully when responding to this action. The documents cited therein teach font generation which relates to the claimed invention.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu D. Vu. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4057.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached at 571-272-4048.

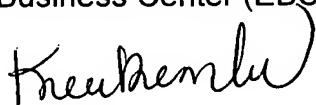
The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

and / or:

571-273-4057 (use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper / amendment be faxed directly to them on occasions).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kieu D. Vu

Primary Examiner